

Axial piston drive with a continuously adjustable piston stroke

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Abstract

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The invention relates to an axial piston drive with a continuously adjustable piston stroke, which comprises a drive shaft (10, 12) on which a swash plate (16) is supported in a crank chamber (14) in such a way as to be tilttable and displaceable in the axial direction, as well as a controller (18, 20) by means of which an tilt angle and an axial position of the swash plate (16) can be adjusted, and at least one piston (26, 28) connected to the swash plate (16) so that it can be actuated to move within a cylinder (22, 24).

It is proposed that the controller (18, 20) incorporates an adjustment unit (30, 32) separated from the piston (26, 28).

(Fig. 1)